

Concord Steam Corporation
 Cost of Energy (COE) DG 15-377
 2015-16
 Summary

	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
Revenue:	\$ 292,506	\$ 396,345	\$ 601,898	\$ 564,516	\$ 399,057	\$ 313,940	\$ 129,412	\$ 35,438	\$ 32,657	\$ -	\$ -	\$ -
Cost of Energy:	\$ 316,043	\$ 363,362	\$ 497,694	\$ 446,793	\$ 308,064	\$ 313,502	\$ 170,318	\$ 104,953	\$ 93,766	\$ -	\$ -	\$ -
Monthly Over/(Under) Collection:												
Beginning Balance	\$ (68,591)	\$ (35,608)	\$ (2,625)	\$ 101,580	\$ 219,302	\$ 310,296	\$ 310,734	\$ 269,827	\$ 200,313	\$ 139,204	\$ 139,204	\$ 139,204
Current Month	\$ 32,983	\$ 32,983	\$ 104,205	\$ 117,722	\$ 90,994	\$ 438	\$ (40,906)	\$ (69,515)	\$ (61,109)	\$ -	\$ -	\$ -
Ending Balance	\$ (35,608)	\$ (2,625)	\$ 101,580	\$ 219,302	\$ 310,296	\$ 310,734	\$ 269,827	\$ 200,313	\$ 139,204	\$ 139,204	\$ 139,204	\$ 139,204
*Adjusted Annual Purchased fuel costs:	\$ 3,253,544	\$ 3,213,959	\$ 3,182,727	\$ 3,155,068	\$ 3,102,997	\$ 3,165,133	\$ 3,178,782	\$ 3,179,303	\$ 3,097,644	\$ 3,097,644	\$ 3,097,644	\$ 3,097,644
*Adjusted Annual Revenue requirement:	\$ 3,322,135	\$ 3,282,550	\$ 3,251,318	\$ 3,223,659	\$ 3,171,588	\$ 3,233,724	\$ 3,247,373	\$ 3,247,894	\$ 3,166,235	\$ 3,166,235	\$ 3,166,235	\$ 3,166,235
*Adjusted Annual Revenue stream:	\$ 3,229,958	\$ 3,234,193	\$ 3,165,582	\$ 3,086,065	\$ 2,980,607	\$ 3,001,547	\$ 3,062,360	\$ 3,065,268	\$ 3,087,001	\$ 3,087,001	\$ 3,087,001	\$ 3,087,001
Projection of Year-End Over/(under) Collection:	\$ (92,178)	\$ (48,357)	\$ (85,737)	\$ (137,594)	\$ (190,981)	\$ (232,176)	\$ (185,013)	\$ (182,626)	\$ (79,234)			

Current COE Year-End Projection:

Purchased fuel costs:	\$ 3,097,644
2014-15 Over/(Under) Collection:	\$ (68,591) (2014-15 November 2015 reconciliation report dated December 7, 2015)
PUC audit corrections	\$ -
Revenue requirement:	\$ 3,166,235
Revenue stream:	\$ 3,087,001
Over/(under) collection:	\$ (79,234)

*Adjusted costs, revenues and requirements (lines A19 - A21) are representing the annual projection of each line item adjusted for the current and previous months actual fuel costs and revenues

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	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
Actual Mibs. Sold	11,597	15,476	23,502	19,983	14,126	11,113	4,581	1,254	1,156	-	-	-
Actual Rate Per Mib.	\$ 25.22	\$ 25.61	\$ 25.61	\$ 28.25	\$ 28.25	\$ 28.25	\$ 28.25	\$ 28.25	\$ 28.25	\$ 28.25	\$ 30.26	\$ 30.26
Actual Extended Revenues	\$ 292,506	\$ 396,345	\$ 601,898	\$ 564,516	\$ 399,057	\$ 313,940	\$ 129,412	\$ 35,438	\$ 32,657	\$ -	\$ -	\$ -

Projected Mibs. and Revenues:

	Projected Mibs.	Rate per Mib.	Projected Revenue \$
Nov-15	12,887	\$ 25.22	\$ 325,052
Dec-15	22,147	\$ 25.22	\$ 558,613
Jan-16	26,187	\$ 25.22	\$ 660,515
Feb-16	22,798	\$ 25.22	\$ 575,029
Mar-16	17,859	\$ 25.22	\$ 450,459
Apr-16	10,372	\$ 25.22	\$ 261,606
May-16	2,428	\$ 25.22	\$ 61,249
Jun-16	1,161	\$ 25.22	\$ 29,272
Jul-16	1,064	\$ 25.22	\$ 26,827
Aug-16	1,045	\$ 25.22	\$ 26,358
Sep-16	1,977	\$ 25.22	\$ 49,866
Oct-16	7,663	\$ 25.22	\$ 193,288
Total	127,586	\$ 25.22	\$ 3,218,135

Projected/Adjusted Mibs. and Projected/Adjusted Revenues:

	Adjusted Mibs.	Rate per Mib.	Adjusted Revenue \$
Nov-15	11,597	\$ 25.22	\$ 292,506
Dec-15	15,476	\$ 25.61	\$ 396,345
Jan-16	23,502	\$ 25.61	\$ 601,898
Feb-16	19,983	\$ 28.25	\$ 564,516
Mar-16	14,126	\$ 28.25	\$ 399,057
Apr-16	11,113	\$ 28.25	\$ 313,940
May-16	4,581	\$ 28.25	\$ 129,412
Jun-16	1,254	\$ 28.25	\$ 35,438
Jul-16	1,156	\$ 28.25	\$ 32,657
Aug-16	1,045	\$ 28.25	\$ 29,521
Sep-16	1,977	\$ 30.26	\$ 59,824
Oct-16	7,663	\$ 30.26	\$ 231,886
Total	113,474	\$ 27.20	\$ 3,087,001

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Purchased Fuel Costs

	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16
Cost of Energy	\$ 316,043	\$ 363,362	\$ 497,694	\$ 446,793	\$ 308,064	\$ 313,502	\$ 170,318	\$ 104,953	\$ 93,766	\$ -	\$ -	\$ -

Actual MMBtu's and Cost:

	Actual MMBtu's				Actual Fuel Costs				Projected/Actual Costs (Fuel & OPC*)				
	Nat. Gas	Waste + #6	Wood	Total	Nat. Gas	Waste + #6	Wood	Total	Nat. Gas	Waste + #6	Wood	OPC*	Total
Nov-15	14,154	-	28,093.18	42,247	\$ 170,980	\$ -	\$ 122,762	\$ 293,742	\$ 170,980	\$ -	\$ 122,762	\$ 22,301	\$ 316,043
Dec-15	16,279	-	34,718.25	50,997	\$ 191,930	\$ -	\$ 140,839	\$ 332,769	\$ 191,930	\$ -	\$ 140,839	\$ 30,593	\$ 363,362
Jan-16	23,116	-	44,331.33	67,447	\$ 286,233	\$ -	\$ 179,060	\$ 465,293	\$ 286,233	\$ -	\$ 179,060	\$ 32,401	\$ 497,694
Feb-16	21,352	-	40,116.09	61,468	\$ 252,999	\$ -	\$ 163,168	\$ 416,168	\$ 252,999	\$ -	\$ 163,168	\$ 30,626	\$ 446,793
Mar-16	14,089	-	29,967.18	44,056	\$ 161,352	\$ -	\$ 118,662	\$ 280,015	\$ 161,352	\$ -	\$ 118,662	\$ 28,049	\$ 308,064
Apr-16	10,429	-	23,351.37	33,780	\$ 119,438	\$ -	\$ 95,458	\$ 214,895	\$ 119,438	\$ -	\$ 95,458	\$ 98,607	\$ 313,502
May-16	7,278	-	16,653.37	23,931	\$ 77,852	\$ -	\$ 75,022	\$ 152,874	\$ 77,852	\$ -	\$ 75,022	\$ 17,444	\$ 170,318
Jun-16	2,314	-	14,529.14	16,843	\$ 23,912	\$ -	\$ 69,846	\$ 93,758	\$ 23,912	\$ -	\$ 69,846	\$ 11,195	\$ 104,953
Jul-16	1,958	-	12,856.25	14,814	\$ 21,905	\$ -	\$ 60,666	\$ 82,571	\$ 21,905	\$ -	\$ 60,666	\$ 11,195	\$ 93,766
Aug-16	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ 21,649	\$ -	\$ 72,863	\$ 10,000	\$ 104,512
Sep-16	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ 119,154	\$ -	\$ -	\$ 11,000	\$ 130,154
Oct-16	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ 230,484	\$ -	\$ -	\$ 18,000	\$ 248,484
Total	110,968	-	244,616	355,584	\$ 1,306,601	\$ -	\$ 1,025,483	\$ 2,332,084	\$ 1,677,887	\$ -	\$ 1,098,346	\$ 321,410	\$ 3,097,644

Actual mmbtu costs \$/MMBtu \$ 11.77 #DIV/0! \$ 4.19 \$ 6.56

therm Bbl Ton
 \$ 1.18 #DIV/0! \$ 35.63

95%

Projected MMBtu's and Cost:

	Projected MMBtu's						Projected Costs						
	Contracted Nat. Gas	Market Nat. Gas	#6 Resid	Waste+ #6	Wood	Total	Nat. Gas	Waste Oil	#6 Resid	Waste+ #6	Wood	OPC*	Total
Nov-15	12,931	0	-	-	31,500	44,431	\$ 160,034	\$ -	\$ -	\$ -	\$ 127,438	\$ 30,000	\$ 317,473
Dec-15	13,145	0	-	-	49,500	62,645	\$ 162,687	\$ -	\$ -	\$ -	\$ 200,260	\$ 40,000	\$ 402,947
Jan-16	22,000	0	-	-	53,160	75,160	\$ 271,858	\$ -	\$ -	\$ -	\$ 215,067	\$ 42,000	\$ 528,925
Feb-16	18,000	0	-	-	51,900	69,900	\$ 222,484	\$ -	\$ -	\$ -	\$ 209,970	\$ 42,000	\$ 474,453
Mar-16	12,245	0	-	-	42,400	54,645	\$ 151,598	\$ -	\$ -	\$ -	\$ 171,536	\$ 37,000	\$ 360,134
Apr-16	8,700	0	-	-	28,300	37,000	\$ 107,875	\$ -	\$ -	\$ -	\$ 114,492	\$ 29,000	\$ 251,367
May-16	4,665	0	-	-	20,600	25,265	\$ 53,328	\$ -	\$ -	\$ -	\$ 83,341	\$ 20,000	\$ 156,669
Jun-16	1,950	0	-	-	17,250	19,200	\$ 22,644	\$ -	\$ -	\$ -	\$ 69,788	\$ 12,000	\$ 104,432
Jul-16	1,860	0	-	-	17,000	18,860	\$ 21,649	\$ -	\$ -	\$ -	\$ 68,776	\$ 85,000	\$ 175,425
Aug-16	1,860	0	-	-	18,010	19,870	\$ 21,649	\$ -	\$ -	\$ -	\$ 72,863	\$ 10,000	\$ 104,512
Sep-16	11,810	7,632	-	-	-	19,442	\$ 119,154	\$ -	\$ -	\$ -	\$ -	\$ 11,000	\$ 130,154
Oct-16	28,580	6,664	-	-	-	35,244	\$ 230,484	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 248,484
	137,746	14,296	0	0	329,620	481,662	\$ 1,545,444	\$ -	\$ -	\$ -	\$ 1,333,530	\$ 376,000	\$ 3,254,974

Projected mmbtu costs \$/MMBtu \$ 11.22 \$ - 0.00 \$ - \$ 4.10 \$ 6.76

therm Bbl Bbl Ton
 \$ 1.12 \$ - \$ - \$ - \$ 34.85

*Other Energy Related Production Costs